

OpenERP Warehouse User's Manual

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OpenERP Warehouse User's Manual



Goal

Guide the management of the information related to warehouses using the Enterprise Resource Planning tool available for the company (OpenERP), to create accurate and correct product movements and to keep the stock quantities reliable.

Scope

This document will help the user from its First Steps, access to the ERP platform, Manage two major types of stock moves: Incoming Shipment and Delivery Order (For Return goods only), Exceptional operations for Receipt and QC, Packaging and labeling, and ending with the packs traceability option and using different views on OpenERP.

About OpenERP

OpenERP is an amazing software system that is easy to use and provides great benefits to help you organize your daily work.

Users no need to install special software (a web browser is enough), and offers unrivaled functionality, all you require is a device with internet access.

Accessing to OpenERP

To access OpenERP you must enter the following address in your web browser: http://erp.nexxogroup.com/

Enter the username and password that were supplied by the system administrator

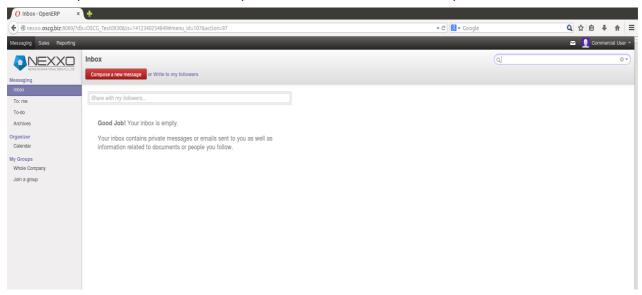
Ensure to select the right database on the top corner of the screen.





Working in OpenERP

We will explain the different components of the work area in OpenERP:



Main Menu: It Indicates the modules which your user can access, in this case the user can access to sales functionalities, messaging, and sales reports modules.

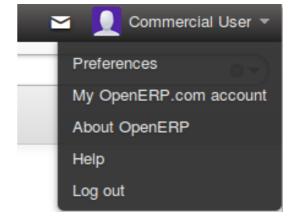


User Menu: The menu at the top right allows:

Modify **user preferences**, such as name, language, email, signature for outgoing mails, and others.

To check the documentation and Help

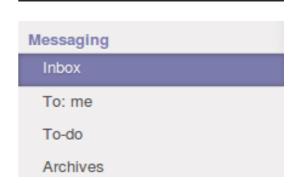
Log off to exit of the system.



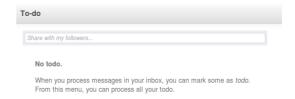
Compose a new message: This is a quick access icon that is always available while you work, will allow you to send an email at any time.

Vertical Menu: contains the options related to the main menu that is active.

Search Bar: this tool allows searches related to the area where you are working, it has different filter options.



Workspace: It is the larger space on the screen and this is where the documents information is displayed while working in OpenERP.



Warehouse's Example: From goods reception to goods storage

Here we will show you a complete warehouse flow, from goods reception to Quality check, packing and labeling, to goods storage in a step-by-step scenario, some cases we also will add explanations to exceptionals situations.

First you will get an explanation about the use case (what Xiao Ming or one of his colleagues is supposed to do). Then the Notes beside the pictures will let you learn how Xiao Ming (or a colleague of his) enters the information in OpenERP. For the simplicity of the use case we will do all of the steps under the Warehouse Manager user.

Use case

Our company was exhibiting at the "House & Design" Fair in Paris and Paulo, a salesman of our company made some business. Paulo has requested to the purchases department to help him buying some products, Jerry is the purchases guy who is following those order, he went to the factory and he made the DPI (During Production Inspection), So now the goods are ready to arrive to Guangzhou warehouse and Xiao Ming must arrange everything to send those goods to the customer.

Checking the goods reception schedule

Xiao Ming checks his Dashboard everyday and sees the list of goods to receive today, the schedule was updated by the purchases guys. Xiao Ming coordinates the work between Ling the Reception guy, Nebo the QC inspector and Steven the Packing and Labeling's guy.

Xiao Ming goes to Warehouse → Receive/Delivery By Orders → Incoming Shipments, Here lists all the incoming shipments



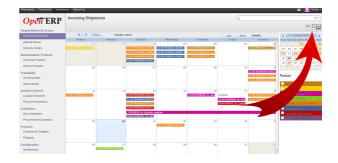
He can use the filters bar to arrange and search by different options: Schedule Time, PO, SO, supplier, creation date, status and others.



When an Incoming Shipment is red in color, it means that it has passed the expected reception date, and the goods still has not arrived.



He also can change to "calendar view" clicking on the view option at right hand of the screen.



Receiving goods

Jerry, the purchaser guy was in the warehouse when the supplier's truck came with the goods, then after he made the first review and agreed with the goods received then **Ling**, the warehouse reception guy, downloads it and he compares the received count against supplier's packing list and Purchase Order.

Ling goes to Warehouse → Receive/Deliver By Orders → Incoming Shipments and makes double click to open the concerned document.



Arrived goods quantities are equal to PO quantities

When Ling counts the goods and all the physical goods are the same than the product lines, it means that the arrived goods are the same quantity than the Ordered goods, then he just need click on the "Receive" button.



Ling posts a message to inform that the goods quantity arrived successful



Exceptional receipt operation: Differences between received quantities and PO greater than 5%

Ling sends a message to the purchaser and waits for confirmation.

He has to indicate that a higher quantity difference exist and the real received quantity for these specific Items.

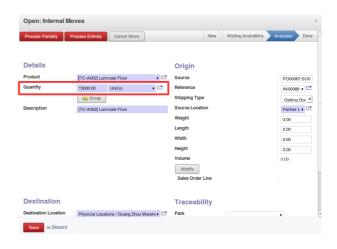


When Ling gets the confirmation to receive with quantities differences, then he clicks on the "Edit" button to make changes and later clicks the specific product line which has quantity differences.

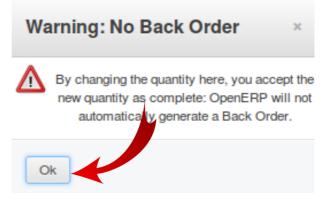


A pop-up screen appear when he clicks on the product line.

Ling changes the product received quantity on the "**Details**" area.



When Ling changes the quantity a warning alarm appear, then he clicked on "Ok" button to agree.

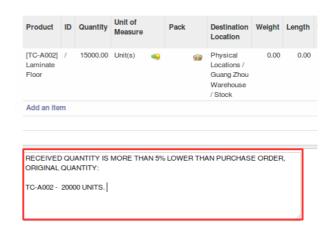


Now Ling can confirm the changes on the product line clicking on "Save" button.



On the left down corner of the Incoming shipment, Ling adds a comment Directly on the document.

He indicates the **original ordered quantity** as an Internal note for the document.



Ling clicks on the "Received" button. It just means that he is confirming that those quantities arrived to the warehouse



Now he can save the changes on the incoming shipment clicking on the "Save" button.

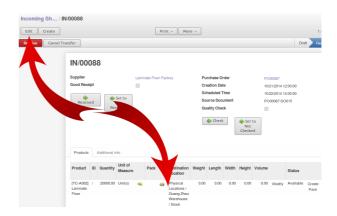


Finally Ling Prints the receipt document clicking on the "**Print**" button at the middle of the screen to be signed by the transporter (Truck driver).



Exceptional receipt operation: Differences between received quantities and PO lower than 5%

On this case Ling don't need the confirmation to receive with quantities differences, then he clicks on the "Edit" button to make changes and later clicks the specific product line which has quantity differences.



A pop-up screen appear when he clicks on the product line.

Ling changes the product received quantity on the "**Details**" area.



When Ling changes the quantity a warning alarm appear, then he clicked on "Ok" button to agree.

By changing the quantity here, you accept the new quantity as complete: OpenERP will not automatically generate a Back Order.

Warning: No Back Order



Destination Destination Location



Now Ling can confirm the changes on the product line clicking on "Save" button.

On the left down corner of the Incoming shipment, Ling adds a comment Directly on the document.

He indicates the original ordered quantity as an Internal note for the document.



RECEIVED QUANTITY IS LESS THAN 5% LOWER THAN PURCHASE ORDER. ORIGINAL QUANTITY: TC-A002 - 20000 UNITS

Ling clicks on the "Received" button, it just means that he is confirming that those quantities arrived to the warehouse



Now he can save the changes on the incoming shipment clicking on the "Save" button.



Ling Prints the receipt document clicking on the "**Print**" button at the middle of the screen to be signed by the transporter (Truck driver).

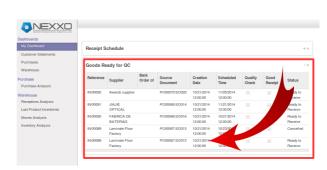
Ling sends a message to the purchaser to **inform** that the goods arrive with less than 5% differences. He can list the items with quantity differences.



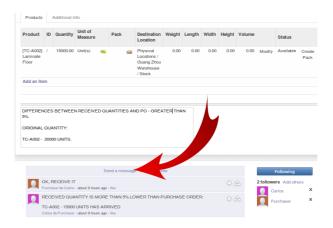
Warehouse Tasks assignment

Xiao Ming, the warehouse manager, checks his Dashboard everyday and he sees the list of arrived goods ready for Quality Control, the dashboard was updated automatically when the reception guy accepts the goods then Xiao Ming easily can coordinate the work with Nebo the QC Inspector.

Xiao Ming goes to Reports → My Dashboard. He chooses the "Goods Ready for QC" panel and clicks on the respective Incoming Shipment.

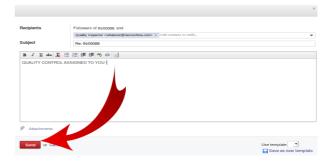


To assign an Incoming Shipment to Nebo, Xiao Ming clicks on "Send a message" button under the document and later on the rectangle Icon, then a pop-up screen appear.



Xiao Ming fills the QC Inspector's email and up the message.

He clicks on "**Send**" button to notify to the QC Inspector and add him as a follower of the document.



At this point the document has no less than four followers: 1. Salesman, 2. Purchaser, 3. warehouse manager and 4. QC Inspector.



Quality Control performed

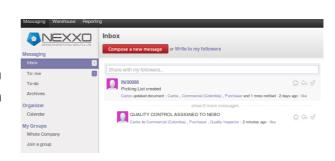
Nebo receives the quality control assignment. He can view and download the related documents if he need it (Technical Sheet, multiform, criteria for product rejection).

Nebo takes the randomly set of samples for QC according with AQL instructives and runs the checking, Nebo builds the QC Report Form and uploads it to the Incoming shipment, at the end he inputs the final received quantity on the ERP system.

Receiving QC Assignment

Nebo goes to **Messaging** → **Inbox**

He received the QC assignment as a message and "Mark as ToDo" clicking on the star Icon.



Nebo goes to Warehouse → Receive/Delivery By Orders → Incoming Shipments

He opens the related Incoming shipment by double click



Nebo has the printed QC documents, anyway he can download them anytime by clicking on the attachment icon.



Uploading Quality Control report form

Once Nebo has completed the quality check, he shares the report. under the Incoming Shipment Nebo composes a Message and adds the QC Report like an attachment.

Nebo clicks on the "**Send**" button when the file has uploaded.



Updating Incoming Shipment status

After share the QC Report, Nebo has to update the Quality Check status of the Incoming shipment, like this the Incoming Shipment will not appear on the warehouse manager dashboard anymore.

From the Incoming Shipment Nebo clicks on the "Check" button, it just mean the goods has been reviewed.



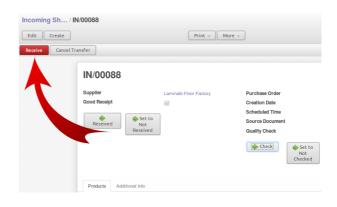
At this point **there are three possible options**, the first one is that all the goods pass the QC check, the second one is that just part of the goods pass the QC check and the third one is that the goods don't pass the QC.

Receive the goods on the system - All the goods pass the QC

After QC and updated the Incoming Shipment status, Nebo is available to receive the goods on the warehouse inventory.

He clicks on the "Receive" button at the lefthand and then a pop-up screen appear.

Warehouse → Receive/Delivery By Orders → Incoming Shipments



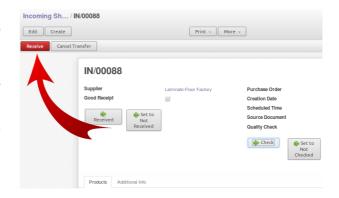
Because all the goods pass the QC, Nebo just has to click on "**Receive**" button on this screen.



Exceptional QC Operation: Only part of the goods passed the QC

On this case Nebo clicks on the "Receive" button at the left-hand of the Incoming Shipment and then a pop-up screen will appear.

Warehouse → Receive/Delivery By Orders → Incoming Shipments



Nebo edits the "Quantity" field, he input the quantity that pass the quality check and then he clicks on "Receive" button.



A new incoming shipment will be generated automatically as a Back Order of the original one to indicate which product has been rejected.

Here the QC inspector can ask to the purchaser before to set the goods as "To Return", sometimes the supplier can change the defective goods then the Incoming shipment is reusable, but for the use case Nebo will Return the defective goods to the supplier.

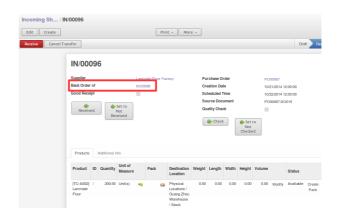
He clicks on "Received" and "Check" buttons

Nebo clicks on the "Receive" button and acept the total quantity of this Incoming Shipment

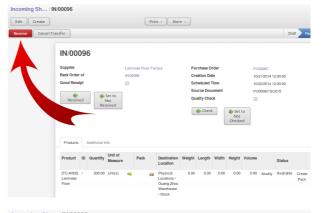
Nebo clicks on the "Return Products" button and then a pop-up screen will appear.

Nebo confirms that the quantity to return is right and chooses the "To be refunded/Invoice" option.

After that, he clicks on "Return" button. OpenERP will automatically generate a Delivery Order for those goods, please view "Return Goods to Supplier" for details.











Exceptional QC Operation: All the goods has to be Rejected

Warehouse → Receive/Delivery By Orders → Incoming Shipments

After QC, Nebo updates the Incoming Shipment status, Nebo clicks the "Check" button.

later he clicks on the "Receive" button at the left-hand then a pop-up screen appear.

Nebo receives on the system the complete quantity of the Items before to send them back.

Nebo don't need to change any quantity on this form, he just clicks on the "Receive" button.

Immediately Nebo clicks on the "Return Products" button and then a pop-up screen will appear.

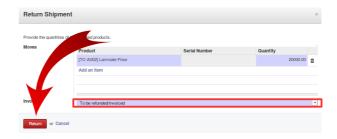
Nebo confirms that the quantity to return is right and chooses the "To be refunded/Invoice" option.

After that, he clicks on "Return" button. OpenERP will automatically generate a Delivery Order for those goods, please view next point for details.









Returning goods to Supplier

Anytime Ling, the responsible of receipt and storage, can check return delivery orders by clicking Warehouse → Receive/Deliver By Order → Delivery Orders



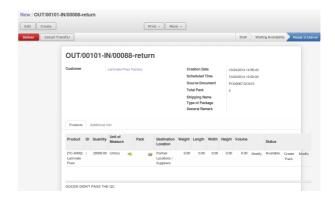
Like a shortcut Ling also has a Dashboard where he can consult that information already filtered (only Return Orders).

He goes to Reporting → My Dashboards → Orders Ready to Return

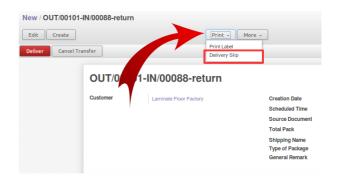


Ling chooses the document for the goods he will send back and opens it by click on the line.

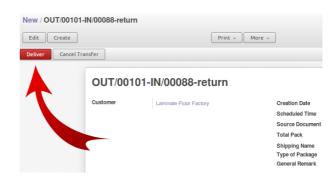
The **Delivery Order appear** and he can add comments, add internal notes and followers, same as to the rest of the documents on the system.



Before sending, Ling arranges the documents for the cargo. He clicks on "Print" button and later clicks on "Delivery Slip" option to get the packing list of those goods.



At the delivery moment He clicks on the "**Deliver**" button and then a pop-up screen will appear.



Ling ensures that the return quantity is right and then He clicks on "Deliver" button.



Important:

The accounting implications of the return movements are functions of the Purchase and accounting departments but anyway Ling have to keep in contact with them every time to give them information and to receive and apply their instructions.

Packaging and labeling procedures

Updating Product Status before packing

Ling, the responsible of Receive and storage the goods, has been notified about the goods QC successful, then he can start to update the product status and arrange the goods for shipping out.

When a Delivery Order is red in color, it means that it has passed the scheduled delivery date, and the goods still has not been shipped out.



Ling opens the concerned Delivery Order. He goes to Warehouse → Receive/deliver by order → Delivery Orders and chooses the related one.

Here he can filter by Sales Order number to find the right one.



If many products here and it is only one purchase order, then Ling could update the status to all the product lines a the same time.

He clicks on the "Force Availability" button.



Other case, to change the products status item by item, Ling clicks on the product line then a pop-up appear.



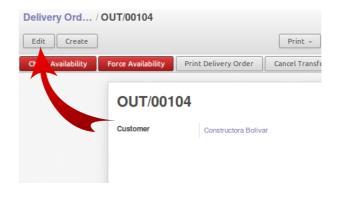
Ling clicks on "Set Available" button and closes the pop-up window.



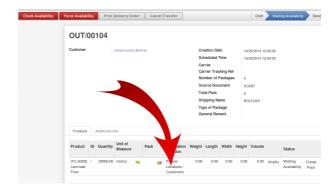
Exceptional Case: The QC approved quantity is different than Sold quantity.

If any Incoming shipment exception or a QC exception happen, Ling has to update the Delivery order quantity manually.

He goes to Warehouse → Receive/deliver by order → Delivery Orders, He opens the Delivery Order and clicks on "Edit" button



To change the products quantity, Ling clicks on the product line then a pop-up appear.

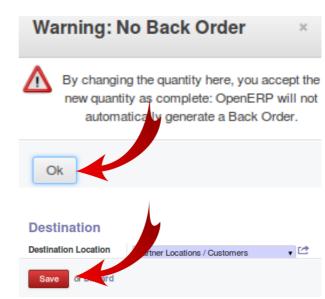


He change the Quantity field content and clicks on "Save" button.



Sometimes when the entered quantity is lower than sold quantity an warning appear.

He clicks on "Ok" button to go ahead.



Finally Ling clicks on the "Save" button to keep the changes.

Creating Packages on the ERP

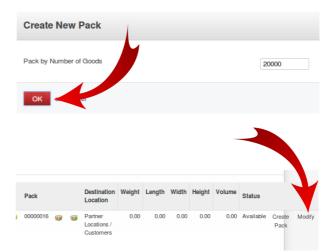
Steven, the responsible for packaging and labeling, has been notified about some goods ready to repack. He receives the goods and the packing instructions from Ling then he starts to package those goods, finally he has to put the labels to those cartons and leave them ready to send out.

Almost All packages have the same quantity and the same sizes

Steven selects the Item line "Available" to pack, then he clicks on the "Create Pack" button to separate the goods into different packages and a pop-up window appear.



Steven enter the whole quantity into the "Quality by package" field and clicks "OK" button.



Clicking on "Modify" button the system will allow him to input the sizes and weight of the most packages.

A pop-up screen appear and Steven fills the weight and the sizes of each package.

After that, He clicks on "Modify" button.



Now Steven can create the final packages spliting the goods into them.

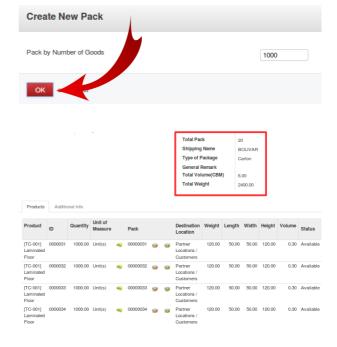
Steven clics on "Create Pack" option again.



Now he puts the real quantity by carton, same as the Sales Order (1000 pcs. by carton) and clicks on "OK" button.

On this case, the system creates twenty packages with the same quantity of goods and the same sizes and weight.

If the split action generates a remainder, it means creates a carton with less units content, then Steven must change the sizes and weight manually only for this special carton clicking on "Modify" button.

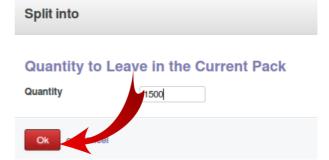


Exceptional Case: The packages have different sizes and quantities

On this case Steven selects the Item line "Available" to pack, then he clicks on the "Put in a new Pack" button to separate the goods.



A pop-up screen appear and Steven introduces the quantity that he put into the current package and clicks on "OK" button.



OpenERP will create two packages, the first one will have the quantity that Steven introduced before, the last one will content the rest for the related reference.

Steven Clicks on the "Modify" option for the current pack.



A pop-up screen appear and Seven can Introduce the respective sizes and weight for the pack, then he does that and later clicks on the "Modify" button.



Because the packages are different, Steven has to repeat this procedure package by package, then he clicks on the "Put in a new Pack" button on the remanent pack to create the next one.

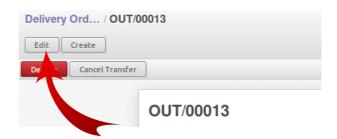


Exceptional Case: The packages contents mixed products inside

To ilustrate this exceptional case Steven has a Delivery Order which contains four packages, two of them are bigger and the rest two of them are smaller, Steven must repacked the smaller packs content together on a unique carton.

Steven goes to the respective Delivery Order and clicks on the "**Edit**" button.

Warehouse → Receive/Deliver By Orders → Delivery Orders



Steven identifies the smaller packages content on the Delivery Order and He clicks on one of the product lines then a pop-up screen will appear.

On the pop-up screen Steven chooses the new package for those goods, here he also can create a new package number if it is necessary, then Steven clicks on "Save" button.



At the end Steven modifies the sizes and weight for the packages, He clicks on "Modify" button.



He fills the new weight and the sizes of the package and clicks on the "Modify" button.



Finally Steven checks that the product 1 and the Product 2 has the same pack number, it means that those products has been packaged together.

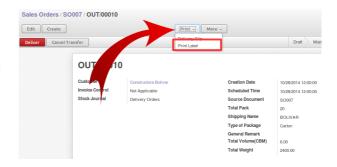


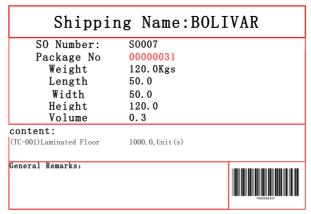
Labeling

To print the labels for the cartons, Steven clicks on the "**Print**" button at the middle of the screen and chooses "**Print Label**" option.

OpenERP will generate the Packing labels on PDF format, It will include all the necessary information for the storage and international logistic process.

Steven prints it and then puts it on the Packages.





Leaving goods Ready to Deliver

To print the Packing List for the delivery, Steven clicks on the "**Print**" button at the middle of the screen and chooses "**Delivery Slip**" option.

OpenERP will generate the Packing list on PDF format, It will include all the necessary information for the storage and international logistic process.

Steven prints it and then puts it with the rest of documents ready to delivery.





Packs Traceability

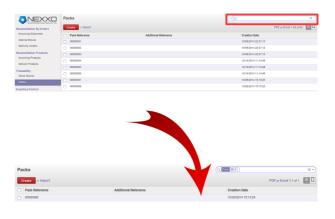
To search by pack number the Ling goes to Warehouse → Traceability → Packs

He can use the filter to search by product, even using the barcode reader or writing part of the pack number.

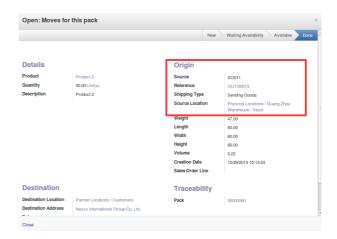
When the search is successful, Ling clicks on the pack line

A new window appear, Now Ling can see the general pack's information including destination, sizes, volume, weight and status, and also the package content products including the quantities by product.

Clicking on the product line a pop-up screen appear, it shows to Ling more specific information as the origin of the goods (Related Sales Order), reference (warehouse document's number) creation date and more usable information at the daily warehouse work.







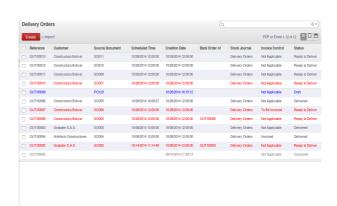
Using different Views in OpenERP

At the end, just a quick word about the different View buttons in OpenERP. The screenshot below shows the kinds of buttons available. Each button represents a different way of looking at data.



From the warehouse screen, Xiao Ming clicks the List view button to get an overview of several Delivery Orders at a time.

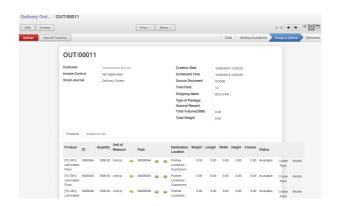
He clicks in Warehouse → Receiv/Deliver By Orders → Delivery Orders and clicks the "list view" button



When Xiao Ming wants more information about a specific Delivery Order , he will switch to Form view.

He clicks in Warehouse → Receiv/Deliver By Orders → Delivery Orders and clicks the "Form view" button

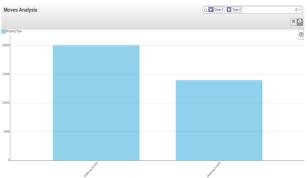




Then Xiao Ming wants to see the Moves in a graphical representation, so he clicks the Graph view button to display a graph with the moves expressed in a bar chart representation (more graph options are availables).

He clicks in **Reporting** → **Warehouse** → Moves Analysis and clicks the "Graph view" button





He could also choose to display the Delivery Orders in Calendar view.

He clicks in Warehouse → Receiv/Deliver
By Orders → Delivery Orders and clicks
the "Calendar View" button



